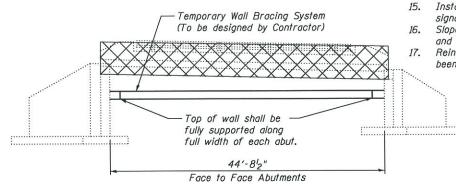


## DECK CROSS SECTION

(Looking East)

APR 02 2014

AS A BASIS FOR



TEMPORARY WALL BRACING SYSTEM

**PREPARATION OF DETAILED PLANS** 

### LEGEND



Removal of Existing Superstructrue

# SECTION THRU ABUTMENT

1'-3"

14" x 34" formed joint with

the backer rod (full width)

bridge relief joint sealer without

Approach Slab

2" x 212" PJF

Geocomposite Wall Drain

Abut. Cap

Exist. Bk. of Abut.

(full width)

Geotechnical Fabric for

4" ♦ Perforated

pipe drain Bk. of

French Drains

Drainage Aggregate

Bottom of Cap

Accurate

Structure

Excavation

USER NAME = sepent	DESIGNED - SAT	REVISED	
	CHECKED - JW	REVISED	
PLOT SCALE = 4.0000 ' / in.	DRAWN - SAT	REVISED	
PLOT DATE = 3/13/2014	CHECKED - JW	REVISED	

Bridge Omission

1'-0"

1'-6"

5" Min. Concrete

Wearing Surface

1" Thick Fabric

€ 1" \$ x 2'-6" Dowel rods

in 1 2" \$\phi\$ holes drilled in

cap. (2 each beam)

Prop. Fiber Wrap

bearing pad

I"x36" Deck Be

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

C	ROS	S	SE	CT	ION	
STRUC	TUI	RE	NO	. 0	16-0726	
CHEET	NO	2	OE.	2	CHEETS	

	ILLINOIS	ED. AID PROJECT		
			CT NO. 6	50X41
19	66-B	СООК	2	2
.U	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.

Slope Mattress 12"

Filter Fabric

- Gabion placed

- Filter Fabric

SECTION A-A

at upstream and downstream ends

SCOPE OF WORK

Install Temporary Wall Bracing System and excavate behind the abutment wall.

Remove abandoned natural gas line from existing structure.

Remove existing 3" Bituminous Overlay, existing 21"x36" PPC Deck Beams and Approach Slabs.

Install Cofferdam, Type 2 at both abutments and all four wingwalls.

Remove and reconstruct abutment seat of both abutments.

Install Temporary Soil Retention System at southwest wingwall.

Remove existing concrete headwall at the southwest wingwall and replace with a C.I.P. concrete headwall in the southwest ditch.

Perform structural repair of concrete on both of the abutments and all four wingwalls and then install Fiber Wrap on face of both of the abutments and all four wingwalls.

Remove Cofferdam, Type 2.

Install Slope Mattress 12" along the channel bottom under the bridge from face to face of abutments, along wingwalls and 5'-0" outside of edge of deck.

Install new 21"x36" PPC Deck Beams.

Dowel Rods for new deck beams shall be installed and the grout shall be cured prior to removal of the Temporary Wall Bracing System.

Install 5" min. Concrete Wearing Surface.

Exist. Channel

Bottom

Construct approach slabs.

Install sidewalks and parapets on both the sides of the roadway. Embed traffic signal interconnect conduit in south parapet.

Slope stabilization methods shall be used to the North (upstream) side of the bridge and the southwest side of the bridge.

3'-0"

Reinstall Stream Gauge after structural repair of concrete and Fiber Wrap has been installed on northwest wingwall.